AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Currently Amended) A ~~component~~ system that facilitates Web-based interaction with ~~discovers~~ devices on disparate networks within industrial control systems, comprising:

~~an interface component~~ a portal that ~~couples~~ interfaces to a plurality of disparate networks, wherein at least one of the plurality of disparate networks is a ~~at least one TCP/IP-based network with one or more~~ non-TCP/IP-based network ~~networks; and~~, wherein

the portal invokes a ~~service~~ browse engine to:

search the non-TCP/IP-based network,

discover at least one component located on the non-TCP/IP-based network, and

facilitate Web-based communication with the at least one component located on the non-TCP/IP-based network.

~~component that searches both the at least one TCP/IP-based network and the one or more non-TCP/IP-based networks for devices and returns information indicative of discovered devices.~~

2-3. (Cancelled)

4. (Currently Amended) The system of claim 1, the ~~interface component~~ portal and the ~~service component~~ browse engine reside within a microprocessor-based system ~~or an EtherNet/IP-based module~~.

5-7. (Cancelled)

8. (Currently Amended) The system of claim 1, the ~~interface~~ portal ~~component further~~ provides a security mechanism that controls access to the at least one component located on the at least one non-TCP/IP-based network ~~mitigates device access by unauthorized requesters~~.

9. (Currently Amended) The system of claim 8, the security mechanism is based on at least one of: a policy, a password, a firewall, a code, an identity, a log-on, [[and]] or an address.

10-12. (Cancelled)

13. (Currently Amended) A ~~portal~~ system that facilitates ~~provides~~ Web-based communication with industrial devices residing on disparate ~~TCP/IP-based and non-TCP/IP-based~~ networks, comprising:

a ~~proxy component~~ gateway that facilitates access to [[the]] at least one ~~TCP/IP-based and~~ non-TCP/IP-based network[[s]]; and[[,]]

an ~~engine~~ arbitrator that searches the at least one non-TCP/IP-based network, discovers at least one industrial device[[s]] residing ~~on both the TCP/IP-based and~~ the at least one non-TCP/IP-based network[[s]] and provides information related to the at least one industrial device[[s]], wherein

the information comprises at least one of: a manual, a log file, a history or a Web page ~~can be utilized in connection with the proxy to communicate with the industrial devices~~.

14-17. (Cancelled)

18. (Currently Amended) The system of claim 13, the ~~engine~~ arbitrator dynamically discovers at least one newly added [[and]] or removed ~~networks and~~ industrial device[[s]] and dynamically updates the ~~related~~ information.

19. (Currently Amended) The system of claim 13, the ~~engine~~ arbitrator employs intelligence to ~~that facilitates locating and discovering~~ discover the at least one industrial device[[s]] ~~and returning related information~~, the intelligence employs at least one of: a statistic, a probability, a classifier, [[and]] or an inference.

20. (Currently Amended) The system of claim 13, the gateway ~~proxy component~~ facilitates at least one ~~or more~~ of ~~the following~~: controlling the at least one industrial device, configuring the

at least one industrial device, monitoring the at least one industrial device, [[and]] or communicating with the at least one industrial device[[s]].

21. (Cancelled)

22. (Currently Amended) The system of claim 13, the gateway ~~further~~ comprises a configurable security component that verifies and validates authorization to one or more of the industrial devices.

23-29. (Cancelled)

30. (Currently Amended) A system that facilitates Web access to industrial devices residing on disparate networks, comprising:

means for interfacing Web functionality to at least one ~~interacting with TCP/IP-based and~~ non-TCP/IP-based network[[s]]; and

means for browsing the at least one ~~discovering industrial devices associated with the TCP/IP-based and~~ non-TCP/IP-based network[[s]] and discovering one or more available device on the at least one non-TCP/IP-based network, wherein[[;]]

the means for interfacing routs messages to at least one of the one or more available devices.

~~means for returning information indicative of the discovered devices; and~~

~~means for accessing the discovered devices.~~

31. (New) The system of claim 1, the browse engine provides access to the at least one component located on the non-TCP/IP-based network.

32. (New) The system of claim 1, the portal enables selection of the at least one component located on the non-TCP/IP-based network and facilitates at least one of: monitoring the at least one component located on the non-TCP/IP-based network, controlling the at least one component located on the non-TCP/IP-based network, configuring the at least one component

located on the non-TCP/IP-based network, or obtaining related information about the at least one component located on the non-TCP/IP-based network.

33. (New) The system of claim 32, the related information includes at least one of: a manual, a Web page, a code or a log.

34. (New) The system of claim 1, the portal and the browse engine reside within an Ethernet/IP-based module.

35. (New) The system of claim 1, the portal invokes the browse engine in response to at least one of: a request to access the at least one component located on the non-TCP/IP-based network, a request to identify the at least one component located on the non-TCP/IP-based network or a request to update status information about the at least one component located on the non-TCP/IP-based network.

36. (New) The system of claim 35, the request to access comprises at least one of: a request to control the at least one component located on the non-TCP/IP-based network, a request to configure the at least one component located on the non-TCP/IP-based network or a request for information about the at least one component located on the non-TCP/IP-based network.

37. (New) The system of claim 35, the browse engine refreshes status information about the at least one component located on the non-TCP/IP-based network in real time in response to a request to update status information about the at least one component located on the non-TCP/IP-based network.

38 (New) The system of claim 13, the gateway provides an entry point to the at least one non-TCP/IP-based network *via* a standard TCP/IP-Web-based browser.

39. (New) The system of claim 13, the gateway establishes a connection with a Web client and initiates a search for at least one industrial device residing the at least one non-TCP/IP-based network.

40. (New) The system of claim 39, the arbitrator queries at least one available non-TCP/IP-based network in response to the search.

41. (New) The system of claim 39, the arbitrator queries at least one particular non-TCP/IP-based network in response to the search.

42. (New) The system of claim 39, the arbitrator identifies at least one available industrial device in response to the search.

43. (New) The system of claim 39, the arbitrator identifies at least one particular industrial device in response to the search.

44. (New) The system of claim 39, the gateway presents results of the search.

45. (New) The system of claim 44, the results of the search are at least one of: filtered or ranked.

46. (New) The system of claim 18, the arbitrator periodically polls the at least one non-TCP/IP-based network to discover newly added or removed industrial devices.

47. (New) The system of claim 18, the arbitrator receives a message indicating the addition or removal of at least one industrial device.

48. (New) The system of claim 13, the arbitrator receives a request for at least one industrial device through the gateway, wherein the request includes an identification of the at least one industrial device.

49. (New) The system of claim 13, the information is utilized to determine whether the at least one industrial device is at least one of: coupled, configured or active.

50. (New) The system of claim 30, the means for interfacing receives a query for at least one device and the means for browsing discovers the at least one device in response to the query.